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of 617 Muybridge plates illustrating animal motion. They will fill six portfolios and go far toward the completion of the Academy's collection of these interesting plates, of which previously there were but 103 in the Library.

Four hundred and ninety-eight volumes have been bound.

A death-mask of Dr. Joseph Leidy, whose memory is held in deserved esteem, has been presented by his nephew, Dr. Joseph Leidy, Jr.

The decrease in the number of volumes bound and the slight falling off of receipts from those reported last year are consequent on the absence of the Librarian from May until October, four months' vacation having been kindly granted him by the Council for the improvement of his health, an end which was measurably secured by a prolonged stay in Italy. He has great pleasure in acknowledging his obligation to his assistant, Mr. William J. Fox, who during that period performed the routine work of the Library and also acted as Recording Secretary most acceptably.

All of which is respectfully submitted,

EDWARD J. NOLAN,

Librarian.

REPORT OF THE CURATORS.

The year just past has been one of prosperity. While the society's income is small compared with that of many other institutions of like character, the increase in its scientific collections has been large, and the results obtained in original research have been the most extensive in its history.

The buildings and the collections in the care of the Curators have been kept in excellent condition during the year, while many improvements have been effected.

Additional space has been provided for the Entomological department by enclosing another section of the first floor of the old Museum. The taxidermist's quarters in the new wing have been partitioned off from the rest of the basement and heated.

An enlarged system of steam pipes, covered with magnesia, has been introduced in the old building.

Five new plate-glass and mahogany cases have been placed in the Museum during the year, one large case for birds and two for mammals, while Mr. Clarence B. Moore has added two for the accommodation of the archæological material obtained by him in northwestern Florida. A number of moth-proof storage cases of various kinds have been provided for the rapidly increasing study series of birds, mammals and insects.

The Museum staff was further increased at the beginning of the year by securing the services of Dr. J. Percy Moore and Mr. C. W. Johnson as assistants to the Curators. Dr. Moore has taken charge of the Helminthological collection and has identified and catalogued all of the material in the Museum. During the summer, when on leave of absence at Woods Hole, he made valuable collections in this department for the Academy.

Mr. Johnson, besides the care of the Isaac Lea Collection of Eocene Mollusca, which he has continued as heretofore, has been able to rearrange, identify and label the entire series of American Cretaceous invertebrates. The types identified number upward of 400. The additions to the Lea collection for the year number 730 trays.

In the care and arrangement of the various study collections important work has been accomplished, the details of which will be found in the reports of the several sections— that on the Conchological collections by Dr. Pilsbry; the Ornithological by Mr. Stone; the Botanical by Mr. Stewardson Brown, and the Entomological by Dr. Skinner.

In the rearrangement of the Museum the most notable work has been the installation of nearly one-half of the mounted birds in the cases provided for them in the new building. The specimens have been carefully examined by the taxidermist and labeled and arranged by Mr. Stone. Almost all the water-birds and the greater part of the Gallinacæ have been transferred, and the floor will be ready for opening in the spring.

Rearrangement of the mounted mammals has been made necessary by the addition of new cases, and the moose and other exposed specimens have been placed under glass. Several attractive mounts have been prepared during the year, notably the groups of Siamangs collected and presented by Mr. Alfred C. Harrison, Jr., and Dr. H. M. Hiller.

The alcoholic material has been examined, and a large number of specimens have been catalogued and systematically arranged.

In the Department of Archæology, Mr. Clarence B. Moore has added many valuable specimens to his collection and has personally superintended their arrangement and labeling, while Miss H. N. Wardle has made important progress in cataloguing the Haldeman collection.

The additions to the collections during the year have been of importance, as may be seen from the appended list. Most noteworthy were the valuable series of vertebrates and insects collected in Sumatra by Mr. Alfred C. Harrison, Jr., and Dr. H. M. Hiller and generously presented by them to the Academy. Reports on these collections have already been published or prepared for publication, covering the mammals, birds, reptiles and fishes.

Another important gift was a collection of 2,000 plants from the western United States received from Mr. Benjamin H. Smith, while Alfred C. Harrison, Jr., Clarence B. Moore, Samuel F. Houston, John Carter, Charles H. Cramp, James D. Winsor and Beulah M. Rhoads, members of the Academy, have secured through purchase a valuable series of birds from the Galapagos Islands.

From its general fund the Academy has also been enabled to purchase the Rhoads Collection of North American Mammals, comprising some 4,000 skins and skulls which fill an important gap in the Museum, and places the mammal collection on an excellent basis.

Many valuable specimens of mammals, birds and reptiles have been received during the year from the Zoological Society of Philadelphia, and Dr. H. C. Chapman has presented a beautifully prepared set of marine invertebrates obtained from the Zoological Station at Naples.

During the spring Messrs. H. L. Viereck and J. A. G. Rehn visited southern New Mexico under direction of the Academy, and secured valuable collections of insects and plants and many vertebrates.

The Conservator of the William S. Vaux Collections, Mr. Theodore D. Rand, regrets that owing to illness he has not been able to give as much time to his duties as heretofore. With the assistance of Mr. George Vaux, Jr., such desirable specimens as came to his

notice have been purchased. Among them may be specially mentioned a specimen of the water-enclosing chalcedony from Brazil, enclosed in a gangue of igneous rock, and two remarkably fine crystals of epidote from Prince of Wales Island, Alaska.

Besides the services rendered by the salaried Museum Staff, the Curators would express their indebtedness to Messrs. Theodore D. Rand, Lewis Woolman, Philip P. Calvert and Charles Liebeck for aid in various departments, and to the students of the Jessup Fund, Messrs. E. G. Vanatta, J. A. G. Rehn, H. L. Viereck and Miss H. N. Wardle.

A large number of specialists have visited the Academy during the year for the purpose of studying the collections and material has been loaned to the following: J. Dwight, Jr., G. S. Miller, Jr., William Brewster, W. B. Scott, H. F. Osborn, W. T. Hornaday, T. Wayland Vaughan, J. N. Rose, M. W. Lyon, J. W. Gidley, Robert Ridgway, W. H. Dall, C. D. Beadle, H. C. Oberholser, B. G. Wilder, W. B. Clarke, F. A. Lucas, C. W. Richmond.

REPORTS OF THE SECTIONS.

BIOLOGICAL AND MICROSCOPICAL SECTION.

The regular monthly meetings of the Section have been held with an attendance larger than that of last year. Several new members have been admitted.

Numerous communications were made as follows: By Mr. John W. Palmer upon malarial fever in the Philippines and upon collections of diatoms made in the same locality; by Dr. T. S. Stewart upon smallpox and bacteria; by Dr. J. Cheston Morris upon various pathological subjects, including Texas fever and vaccine virus; by Mr. John A. Shulze upon mounted specimens of diatoms; by Mr. T. C. Palmer on *Trachelomonas*; Mr. Silas L. Schumo on Mosses; Mr. Hugo Bilgram and Mr. Harold Wingate on Myxomycetes; Mr. Lewis Woolman on microscopic organisms in recent artesian well borings, and Mr. William B. Davis and Mr. C. S. Boyer on diatoms.